

Datasheet for ABIN6941253

anti-CD74 antibody

5 Images

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Overview

Quantity:	100 µg
Target:	CD74
Reactivity:	Human, Mouse, Baboon
Host:	Mouse
Clonality:	Monoclonal
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	SU-DHL-4 lymphoma cells
Clone:	LN-2
Isotype:	IgG1 kappa
Specificity:	It recognizes a protein of ~35 kDa, identified as CD74 (Workshop IV). CD74 is a type II transmembrane protein which binds to the peptide binding groove of newly synthesized MHC class II alpha/beta heterodimers and prevents their premature association with endogenous polypeptides. CD74 is expressed primarily by antigen presenting cells, such as B-lymphocytes (from before the pre-B cell stage to before the plasma cell stage), macrophages, and monocytes, and many epithelial cells. Anti-CD74 stains predominantly germinal center lymphocytes and B-cell lymphomas, but rarely T-cell lymphomas. Anti-CD74 has been shown to be useful in differentiating atypical fibroxanthoma (-) from malignant fibrous histiocytoma (+).
No Cross-Reactivity:	Rat (Rattus)

Product Details

Purification: Purified by Protein A/G

Target Details

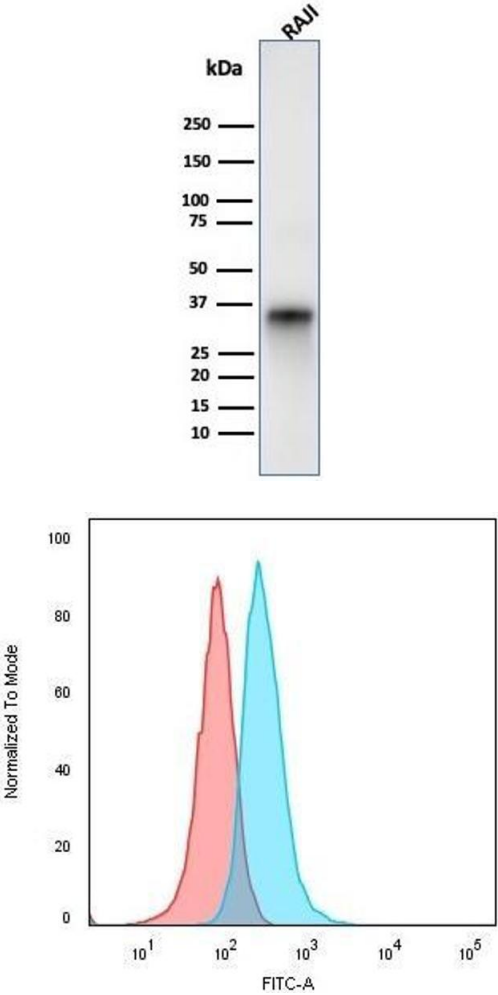
Target:	CD74
Alternative Name:	CD74 (CD74 Products)
Molecular Weight:	33-41kDa
Gene ID:	972
Pathways:	Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , Negative Regulation of intrinsic apoptotic Signaling , Cancer Immune Checkpoints

Application Details

Application Notes:	Positive Control: Daudi or Raji cells. Tonsil or lymph node. Known Application: Flow Cytometry (0.5-1 µg/million cells), (Methanol Fixed)Immunofluorescence (1-4 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

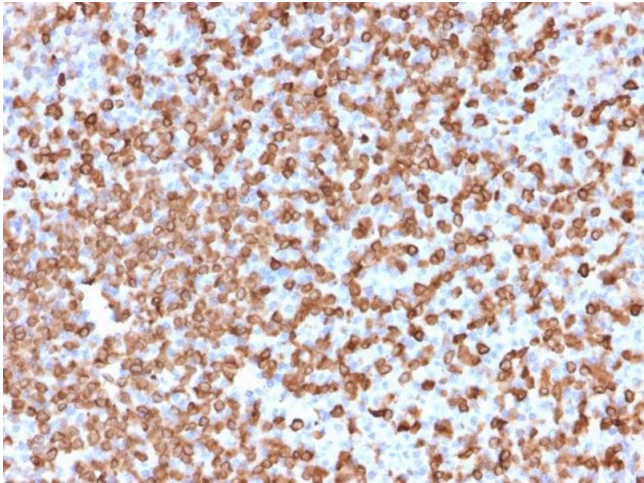


Western Blotting

Image 1. Western blot analysis of Raji cell lysate using CD74 Mouse Monoclonal Antibody (LN-2).

Flow Cytometry

Image 2. Flow Cytometric Analysis of Human Raji cells using CD74 Mouse Monoclonal Antibody (LN-2) followed by Goat anti-Mouse IgG-CF488 (Blue). Isotype Control (Red).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Spleen stained with CD74 Mouse Monoclonal Antibody (LN-2).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6941253.